Summary of knowledge on Roman roads and bridges

**Roads:**

1. Why did Romans need roads?

a. Government needed fast, easy, and reliable communication

b. Army needed a quick and reliable way to transport supplies, and to move across land.

c. Cities needed quick and frequent supplies shipments.

2. Layers of a Roman road:

a. pavimentum: Compact earth or sand

b. Statumen: cement mixed with rocks

c. rudus: rough concrete

d. nucleus: smooth concrete

e. summa crusta: large, shaped rocks

**Bridges:**

1. Arches:

a. Enable bridges to hold weight greater than itself

b. Allow floodwaters to pass under the bridge

2. Cofferdam

a. (Know what it looks like!)

b. 3 steps to construct:

1. Put in wooden, circular wall and fill cracks with clay

2. Pump out water

3. Put in stone arch structure